

Work Order ID 95309

Sunday, January 20, 2013 7:45:39 AM

95309

Page 1

Item ID: D4522-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Door Latch Assembly, LH, OEM

Start Date: 1/8/2013 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 1/25/2013 Req'd Qty: 1.00 ***1***

Customer:

Reference: **DISASSEMBLE**Approvals: Process Plan: **WUF**Date: **13-1-21**

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4522

B

100

Pick Kit

0.00

100

FLOW WATER JET

Packaging

Memo

0.00

Packaging

110

0.00

110

Small Fab

Memo

0.00

Small Fab

ASSEMBLE DOOR LATCH AS PER DWG

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Memo

0.00

Quality Control

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Work Order Update ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data ☐	5/4/16	110		DISASSEMBLE & RETURN PARTS TO STOCK.					
Equip/Tooling ☐									
Operator ☐									
Material ☐									
Setup ☐									
Other ☐									
Process ☐									
Supplier ☐									
Training ☐									
Unapproved ☐									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric to O/S ☐ Cracks ☐ Crushed/Crimped ☐ Cuffs ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Ripples in Bend ☐ Torque Waves in Extrusion ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damaged ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drill Holes ☐ Drawing ☐ Finish ☐ Folio	☐ Grain ☐ Hardware ☐ Inspection Incomplete ☐ Instructions Incomplete/Unclear ☐ Maintenance ☐ Mislabeled ☐ Misread ☐ Offset ☐ Out of Calibration ☐ Out of Sequence ☐ Outside Dimensions	☐ Ovalized ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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95309

Page 2

Item ID: D4522-041

Revision ID:

Item Name: Door Latch Assembly, LH, OEM

Start Date: 1/8/2013 Start Qty: 1.00

Required Date: 1/25/2013 Req'd Qty: 1.00

Reference:

Accept

N900040100Setup Start ***NS1***Stop ***NS2***

Cust Item ID:

Customer:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: _____

0.00

130

Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

10/6/2016.
mf
costed

DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Work Order Update ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
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Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric to O/S ☐ Cracks ☐ Crushed/Crimped ☐ Cuffs ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Ripples in Bend ☐ Torque Waves in Extrusion ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damaged ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drill Holes ☐ Drawing ☐ Finish ☐ Folio	☐ Grain ☐ Hardware ☐ Inspection Incomplete ☐ Instructions Incomplete/Unclear ☐ Maintenance ☐ Mislabeled ☐ Misread ☐ Offset ☐ Out of Calibration ☐ Out of Sequence ☐ Outside Dimensions	☐ Ovalized ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other _____
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Picklist Print

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Page 1

Work Order ID: 95309

Parent Item: D4522-041

Parent Item Name: Door Latch Assembly, LH, OEM

Start Date: 1/8/2013

Required Date: 1/25/2013

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 11.12.21 NEW ISSUE DD VERF:JLM
12/07/05 JFS VERF:JLM

IPP REV:B AS PER REV.B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4522-1 Base Plate, OEM, LH		Manufactured	No			100	Each	2.0000	1	1			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST112		2							
				86617		2							
✓ D4522-9 Vertical Swing Arm		Manufactured	No			100	Each	1.0000	1	1			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				GA		1							
				86624		1							
D4522-11 Handle Shaft Arm		Manufactured	No			100	Each	1.0000	1	1			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST112		1							
				86618		1							
D4522-13 Handle Shaft Adapter		Manufactured	No			100	Each	1.0000	1	1			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST112		1							
				87022		1							
D4522-17 Linkage		Manufactured	No			100	Each	7.0000	2	2			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST112		7							
				86620		7							

[Handwritten signature]

88617

~~88617~~

[Handwritten signature]

86618

[Handwritten signature]

87022

[Handwritten signature] 13/01/29

86620

DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Work Order Update ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric to O/S ☐ Cracks ☐ Crushed/Crimped ☐ Cuffs ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Ripples in Bend ☐ Torque Waves in Extrusion ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damaged ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drill Holes ☐ Drawing ☐ Finish ☐ Folio	☐ Grain ☐ Hardware ☐ Inspection Incomplete ☐ Instructions Incomplete/Unclear ☐ Maintenance ☐ Mislabeled ☐ Misread ☐ Offset ☐ Out of Calibration ☐ Out of Sequence ☐ Outside Dimensions	☐ Ovalized ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other _____
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Picklist Print

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Page 2

Work Order ID: 95309

Parent Item: D4522-041

Parent Item Name: Door Latch Assembly, LH, OEM

Start Date: 1/8/2013

Required Date: 1/25/2013

Start Qty: 1.00

Required Qty: 1.00

D4522-19
Linkage
Manufactured No

100 Each 14.0000 2 2

Location

Loc Qty

Loc Code

ST112

8

83063

8

ST115

6

86621

6

86621

D4522-21
Linkage
Manufactured No

100 Each 2.0000 2 2

Location

Loc Qty

Loc Code

ST112

2

86622

2

86622

D4522-25
Latch Shaft
Manufactured No

100 Each 1.0000 1 1

Location

Loc Qty

Loc Code

ST112

1

87021

1

87021

D4522-045
Base, Horizontal Swing Arm
Manufactured No

100 Each 1.0000 1 1

Location

Loc Qty

Loc Code

ST112

1

87025

1

87025

D4522-047
Base, Vertical Swing Arm
Manufactured No

100 Each 1.0000 1 1

Location

Loc Qty

Loc Code

ST112

1

87024

1

87024

✓ D4522-049
Base, Latch Shaft
Manufactured No

100 Each 1.0000 1 1

Location

Loc Qty

Loc Code

ST112

1

87023

1

87023

Sunday, January 20, 2013 7:45:39 AM

13-02-21

Picklist Print

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Page 3

Work Order ID: 95309
 Parent Item: D4522-041
 Parent Item Name: Door Latch Assembly, LH, OEM

D4529-041
 Horizontal Swing Arm

Manufactured No

100 Each 1.0000

Start Date: 1/8/2013

Required Date: 1/25/2013

Start Qty: 1.00

Required Qty: 1.00

Location

ST112

86625

Loc Qty

Loc Code

1

1

100 Each 0.0000

100 Each 2.0000

Loc Qty

Loc Code

2

2

100 Each 5.0000

Loc Qty

Loc Code

5

5

100 Each 50.0000

Loc Qty

Loc Code

50

50

100 Each 0.0000

100 Each 1.026.0000

Loc Qty

Loc Code

1026

1026

Location

GA

86627

Manufactured No

Location

ST114

86628

Manufactured No

Location

ST114

86611

Manufactured No

Purchased No

Location

GA

106074

✓ D4530-041
 Latch Roller Assembly

✗ D4531-1
 Latch Shaft Bracket

D4574-1
 Interior L-Handle, Modified

D4588-1
 Torsion Spring

✓ D4626-1
 Spring
 MS20995-C20
 Lockwire

86625
 97654
 MF 15-4-16

13-02-21

86628

87005

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Shop Packet Print

Page 3

Picklist Print

Sunday, January 20, 2013 7:45:39 AM

Work Order ID: 95309

Parent Item: D4522-041

Parent Item Name: Door Latch Assembly, LH, OEM

MS16562-193

Spring Pin

Purchased

No

100 Each 101.0000

Start Date: 1/8/2013

Start Qty: 1.00

Required Date: 1/25/2013

Required Qty: 1.00

Location

ST331 120229

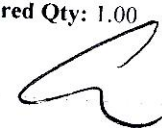
Loc Qty

101
101

Loc Code

Each

101.0000

1 1 - 

MS16562-223

Spring Pin

Purchased

No

100 Each 95.0000

Location

ST331 120229

Loc Qty

95
95

Loc Code

Each

95.0000

120229 1 1 - 

MS16562-227

Spring Pin

Purchased

No

100 Each 102.0000

Location

ST331 120595

Loc Qty

102
102

Loc Code

Each

102.0000

120229 1 1 - 

MS16624-4062

External Retaining Ring

Purchased

No

100 Each 24.0000

Location

ST331 121259
122389

Loc Qty

24
5
19

Loc Code

Each

13.0000

120595 1 1 - 

MS20392-1P41

Drilled Pin

Purchased

No

100 Each 13.0000

Location

ST333 122389
ST392 120250

Loc Qty

9
9
4
4

Loc Code

Each

5.0000

121259 1 1 - 

MS20392-1R27P

Drilled Pin

Purchased

No

100 Each 5.0000

Location

ST333 124296

Loc Qty

5
5

Loc Code

120250 1 1 - 

Sunday, January 20, 2013 7:45:39 AM

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Work Order ID: 95309

Parent Item: D4522-041

Parent Item Name: Door Latch Assembly, LH, OEM

Start Date: 1/8/2013

Required Date: 1/25/2013

Start Qty: 1.00

Required Qty: 1.00

MS20392-1R37P Purchased No 100 Each 9.0000 1 1 -

Drilled Pin

Location	Loc Qty	Loc Code
GA	9	
120675	9	

120675

MS20392-1R9P Purchased No 100 Each 9.0000 4 4 -

Drilled Pin

Location	Loc Qty	Loc Code
ST333	9	
120675	4	
120872	5	

120675

MS20392-2R41P Purchased No 100 Each 4.0000 3 3 -

Drilled Pin

Location	Loc Qty	Loc Code
GA	4	
120675	4	

120675

MS24665-151 Purchased No 100 Each 171.0000 7 7 -

Cotter Pin

Location	Loc Qty	Loc Code
GA	43	
17566	43	
ST323	128	
122802	128	

122802

MS24665-155 Purchased No 100 Each 44.0000 2 2 -

Cotter Pin

Location	Loc Qty	Loc Code
ST299	44	
120242	44	

120242

MS24671-14 Purchased No 100 Each 82.0000 6 6 -

Flat Head Screw, Hex. #8

Location	Loc Qty	Loc Code
ST299	82	
120229	82	

120229

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Shop Packet Print

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Picklist Print

Sunday, January 20, 2013 7:45:39 AM

Work Order ID: 95309

Parent Item: D4522-041

Parent Item Name: Door Latch Assembly, LH. OEM

MS24674-13

Drilled Cap Screw, #10

NAS1149CN432R

Flat Washer

Purchased No

Purchased No

Location

ST291

105940

120177

Purchased No

NAS42DD628FC

Spacer

Location

ST275

120229

Start Date: 1/8/2013

Start Qty: 1.00

Required Date: 1/25/2013

Required Qty: 1.00

100 Each 0.0000

100 Each 183.0000

Loc Qty

183

83

100

100 Each 97.0000

Loc Qty

97

97

Loc Code

Loc Code

105940

1

120229

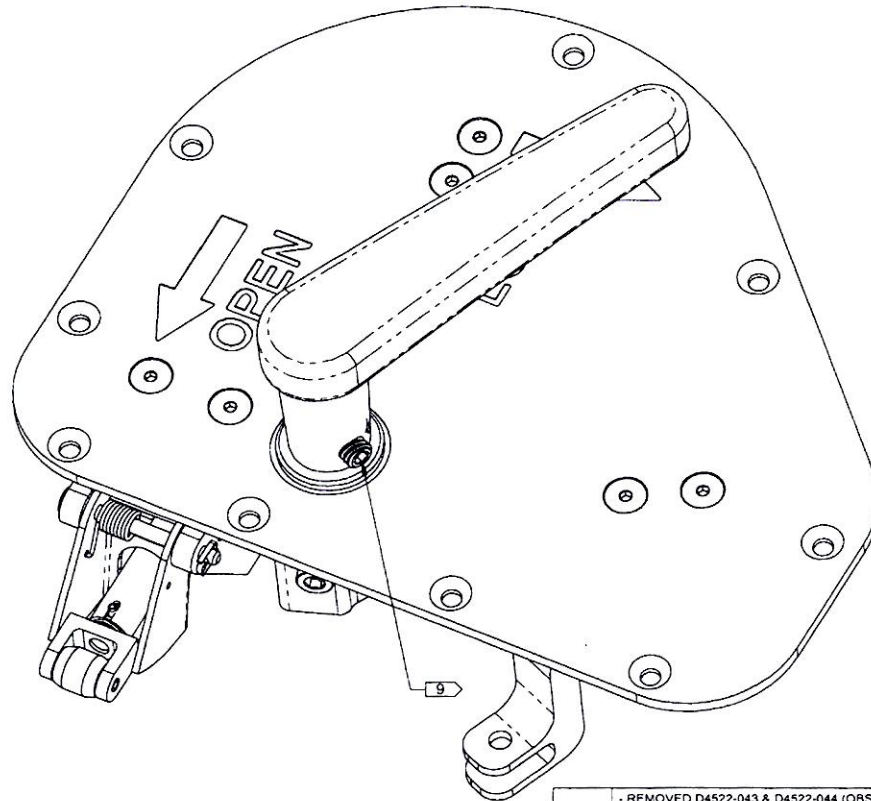
120305

13/01/29

Sunday, January 20, 2013 7:45:39 AM

Shop Packet Print

ITEM	QTY -041	P/N	DESCRIPTION
	X	D4522-041	DOOR LATCH ASSY, LH, OEM
1	1	D4522-1	BASE PLATE, OEM (LH)
2	1	D4522-9	VERTICAL SWING ARM
3	1	D4522-11	HANDLE SHAFT ARM
4	1	D4522-13	HANDLE SHAFT ADAPTER
5	2	D4522-17	LINKAGE
6	2	D4522-19	LINKAGE
7	2	D4522-21	LINKAGE
8	1	D4522-25	LATCH SHAFT
9	1	D4522-045	BASE, HORIZONTAL SWING ARM
10	1	D4522-047	BASE, VERTICAL SWING ARM
11	1	D4522-049	BASE, LATCH SHAFT
12	1	D4529-041	HORIZONTAL SWING ARM
13	1	D4530-041	LATCH ROLLER
14	1	D4531-1	LATCH SHAFT BRACKET
15	1	D4574-1	INTERIOR L-HANDLE
16	1	D4588-1	TORSION SPRING
17	1	D4626-1	EXTENSION SPRING
18	1	MS-20995-C20	LOCK WIRE
19	1	MS16562-193	SPRING PIN
20	1	MS16562-223	SPRING PIN
21	1	MS16562-227	SPRING PIN
22	1	MS16624-4062	EXTERNAL RETAINING RING
23	1	MS20392-1P41	DRILLED PIN
24	1	MS20392-1R27P	DRILLED PIN
25	1	MS20392-1R37P	DRILLED PIN
26	4	MS20392-1R9P	DRILLED PIN
27	3	MS20392-2R41P	DRILLED PIN
28	7	MS24665-151	COTTER PIN
29	2	MS24665-155	COTTER PIN
30	6	MS24671-14	SCREW, FL-HD, HEX, #8
31	1	MS24674-13	DRILLED CAP SCREW, #10
32	5	NAS1149-C-N432-R	FLAT WASHER
33	1	NAS42DD628FC	SPACER



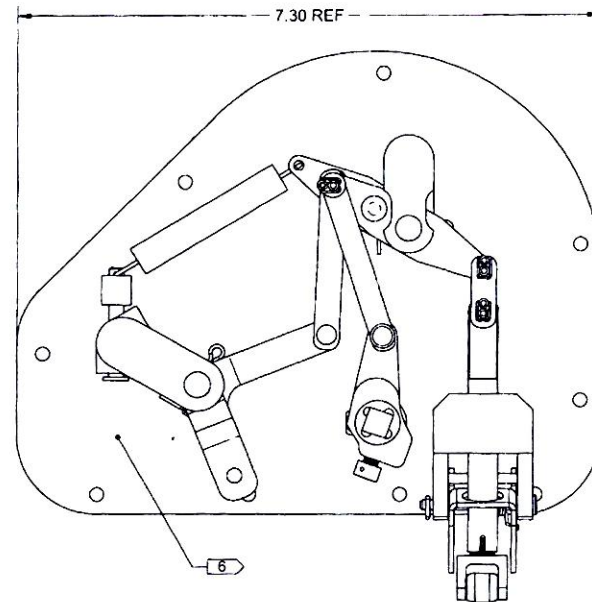
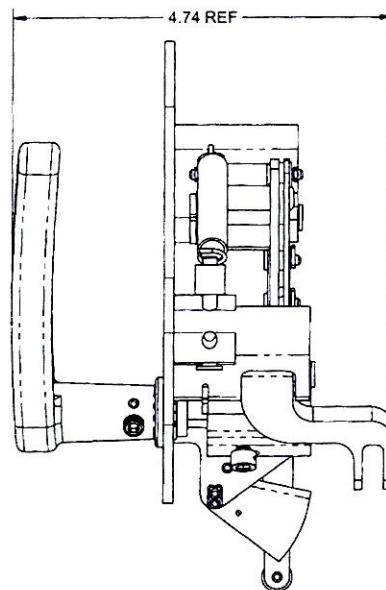
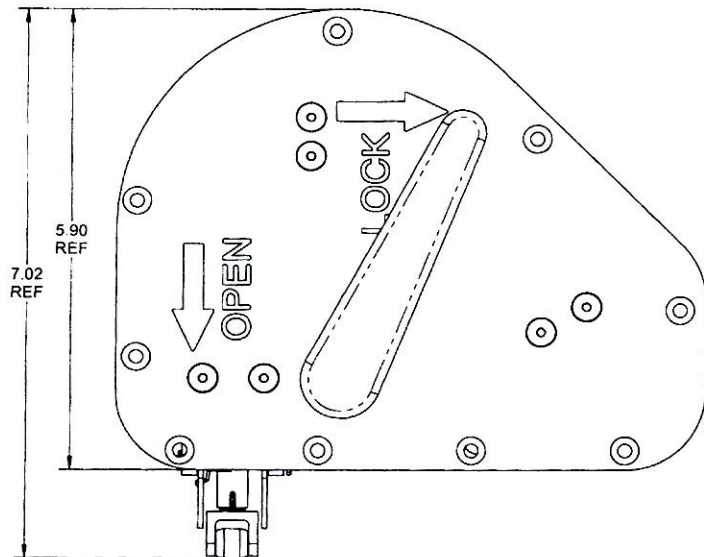
RELEASED
2012-06-13

D4522-041 DOOR LATCH ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: MARK PART NUMBER AND BATCH NUMBER PER DART QSI 044 6.4
- 7) WEIGHT: 2.0 lbs
- 8) INSTALL ALL COTTER PINS AND LOCK WIRE IN ACCORDANCE WITH MS33540
- 9) APPLY LOCITE 262 TO HANDLE THREADS PRIOR TO TIGHTENING SET SCREW
- 10) SHEETS 21 -23 ARE FOR REFERENCE ONLY AND ARE MERELY **RECOMMENDED** ASSEMBLY STEPS

B	- REMOVED D4522-043 & D4522-044 (OBSOLETE) - ADDED SPOT-FACE TO D4522-1 & D4522-2 (D7-7 & C2-8 RESPECTIVELY) - OPTIMIZED CORNER CLEARANCE NOTCHES IN D4522-11 & D4522-12 (C4-14 & C7-15 RESPECTIVELY) - OPTIMIZED SIZE AND TOLERANCES OF RETAINING RING GROOVE IN D4522-13 (C5-16) - ASSIGNED DART PART NUMBERS TO SPRINGS FROM T032-180-156L TO D4588-1 (C8-1, C8-4) FROM LE0450055 TO D4626-1 (C8-1 & C8-4)		RP	12 04 17
A	NEW ISSUE		RP	12 02 24
REV	DESCRIPTION		BY	DATE
DESIGN	RP		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		DRAWING NO. REV. B	
CHECKED	RP		D4522 SHEET 1 OF 23	
MFG. APPR.	RP		TITLE SCALE	
APPROVED	RP		DOOR LATCH ASSY (412) NTS	
DE APPR	RP		DATE 12.04.17	
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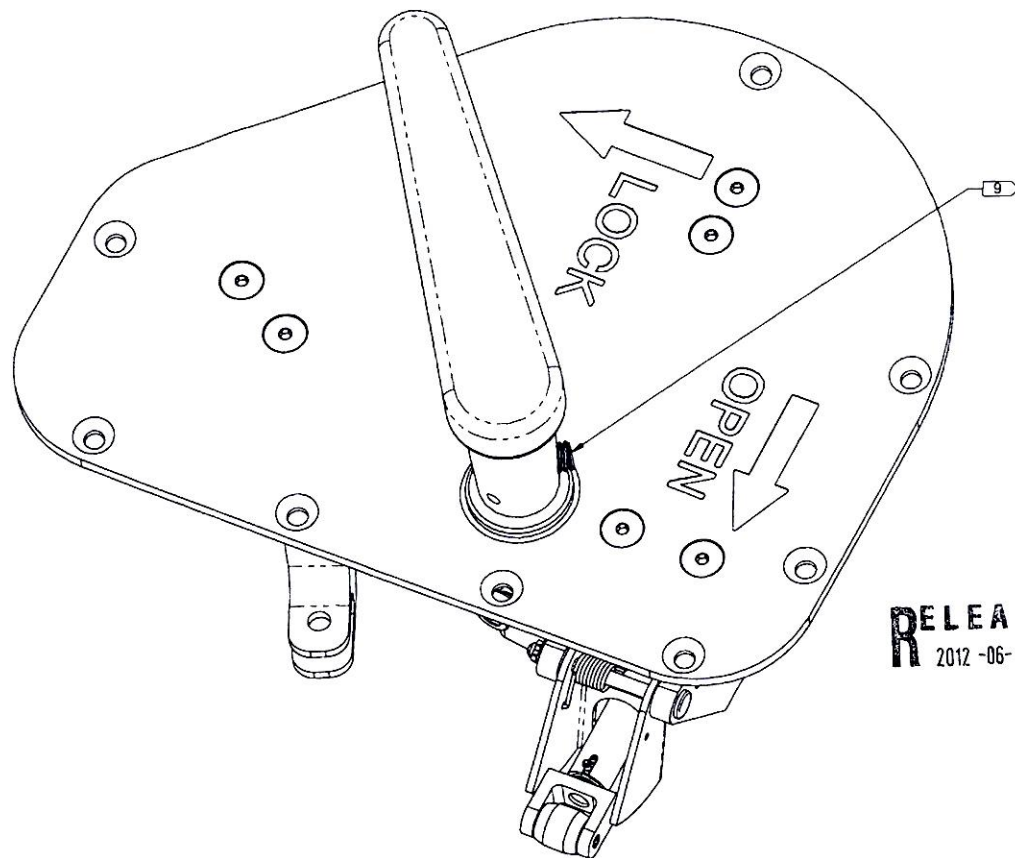


D4522-041 DOOR LATCH ASSY

RELEASED
2012-06-13

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO	REV. B
MFG. APPR.	<i>[Signature]</i>	D4522	SHEET 2 OF 23
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	DOOR LATCH ASSY (412)	NTS
DATE	12.04.17	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR DISCLOSED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM	QTY -042	P/N	DESCRIPTION
	X	D4522-042	DOOR LATCH ASSY, RH, OEM
1	1	D4522-2	BASE PLATE, OEM (RH)
2	1	D4522-10	VERTICAL SWING ARM
3	1	D4522-12	HANDLE SHAFT ARM
4	1	D4522-13	HANDLE SHAFT ADAPTER
5	2	D4522-17	LINKAGE
6	2	D4522-19	LINKAGE
7	2	D4522-21	LINKAGE
8	1	D4522-25	LATCH SHAFT
9	1	D4522-045	BASE, HORIZONTAL SWING ARM
10	1	D4522-047	BASE, VERTICAL SWING ARM
11	1	D4522-049	BASE, LATCH SHAFT
12	1	D4529-041	HORIZONTAL SWING ARM
13	1	D4530-041	LATCH ROLLER
14	1	D4531-1	LATCH SHAFT BRACKET
15	1	D4574-1	INTERIOR L-HANDLE
16	1	D4588-1	TORSION SPRING
17	1	D4626-1	EXTENSION SPRING
18	1	MS-20995-C20	LOCK WIRE
19	1	MS16562-193	SPRING PIN
20	1	MS16562-223	SPRING PIN
21	1	MS16562-227	SPRING PIN
22	1	MS16624-4062	EXTERNAL RETAINING RING
23	1	MS20392-1P41	DRILLED PIN
24	1	MS20392-1R27P	DRILLED PIN
25	1	MS20392-1R37P	DRILLED PIN
26	4	MS20392-1R9P	DRILLED PIN
27	3	MS20392-2R41P	DRILLED PIN
28	7	MS24665-151	COTTER PIN
29	2	MS24665-155	COTTER PIN
30	6	MS24671-14	SCREW, FL-HD, HEX, #8
31	1	MS24674-13	DRILLED CAP SCREW, #10
32	5	NAS1149-C-N432-R	FLAT WASHER
33	1	NAS42DD628FC	SPACER



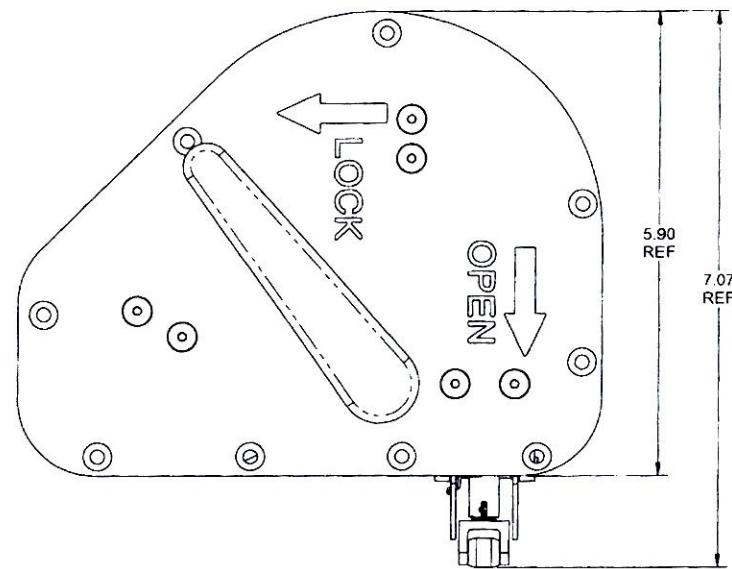
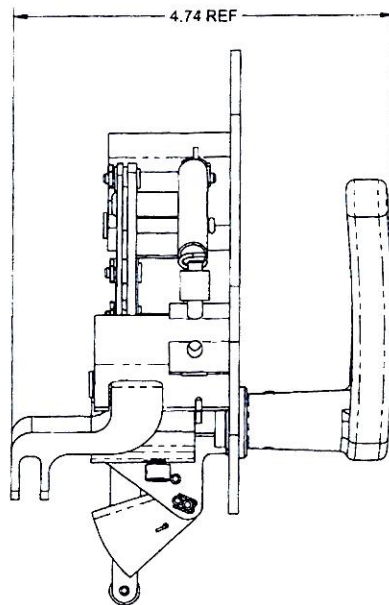
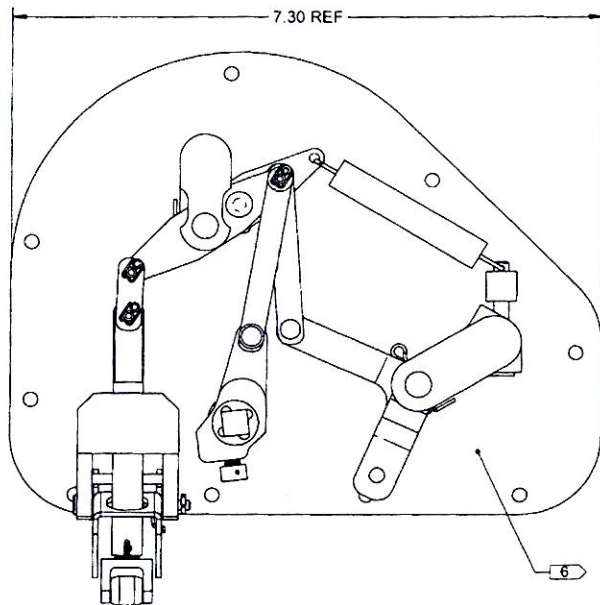
RELEASED
2012-06-13

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: MARK PART NUMBER AND BATCH NUMBER PER DART QSI 044 6.4
- 7) WEIGHT: 2.0 lbs
- 8) INSTALL ALL COTTER PINS AND LOCK WIRE IN ACCORDANCE WITH MS33540
- 9) APPLY LOCTITE 262 TO HANDLE THREADS PRIOR TO TIGHTENING SET SCREW
- 10) SHEETS 21 -23 ARE FOR REFERENCE ONLY AND ARE MERELY **RECOMMENDED** ASSEMBLY STEPS

D4522-042 DOOR LATCH ASSY, RH

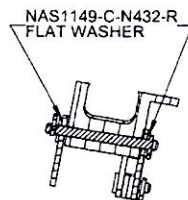
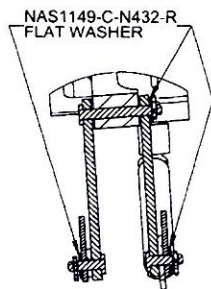
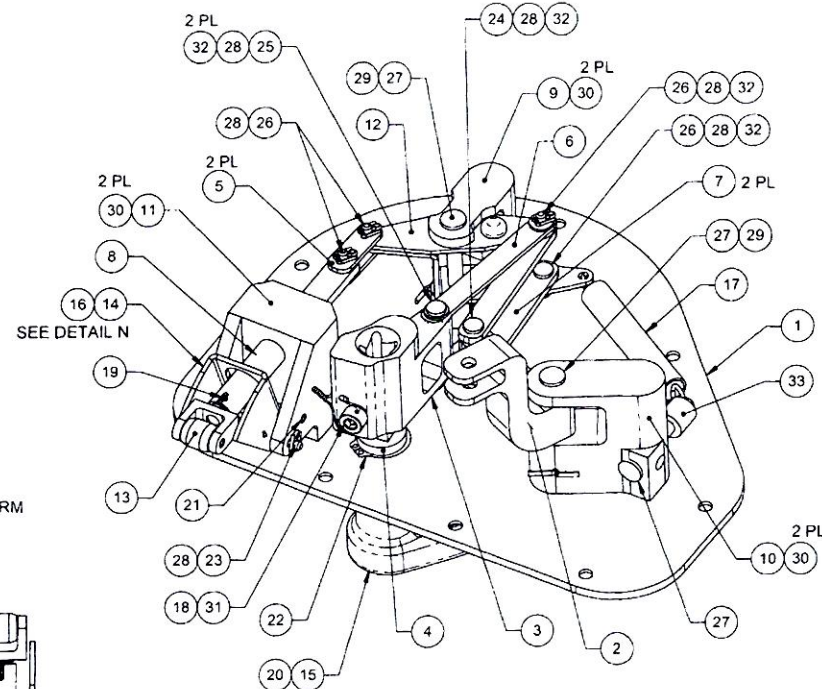
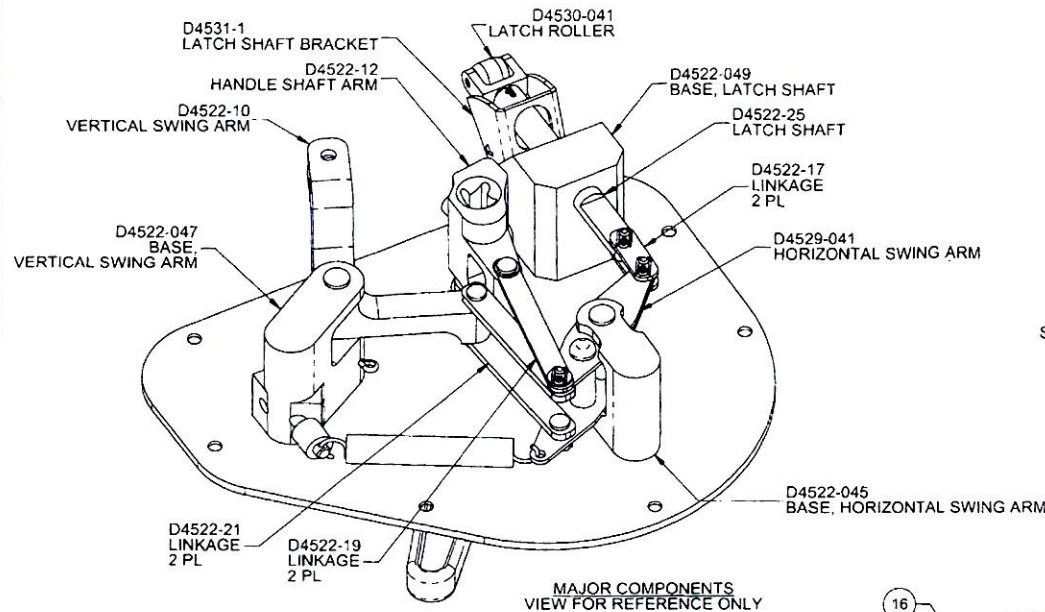
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DRAWN	RP		
CHECKED	<i>[Signature]</i>	DRAWING NO. D4522	REV B
MFG. APPR.	<i>[Signature]</i>	SHEET 4 OF 23	
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	DOOR LATCH ASSY (412)	NTS
DATE	12.04.17	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



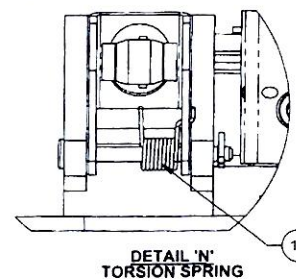
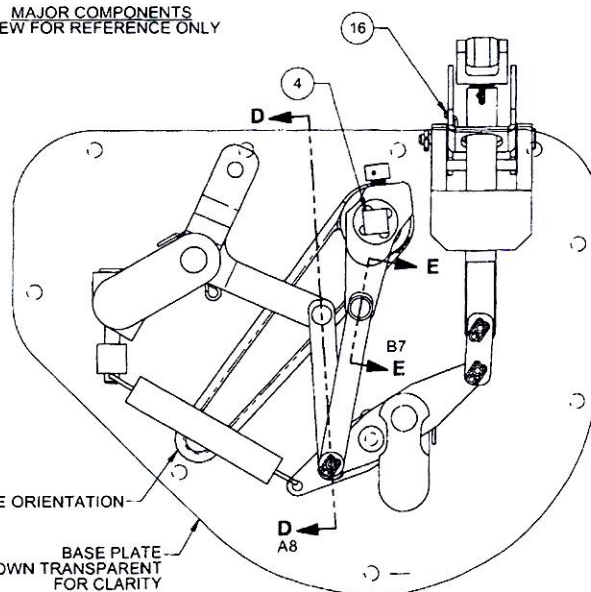
D4522-042 DOOR LATCH ASSY, RH

RELEASED
2012-06-13

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	<i>[Signature]</i>	DRAWING NO. D4522	REV. B
MFG. APPR.	<i>[Signature]</i>	TITLE DOOR LATCH ASSY (412)	SHEET 5 OF 23
APPROVED	<i>[Signature]</i>		SCALE N.T.S.
DE APPR.	<i>[Signature]</i>	COPYRIGHT © 2012 BY DART AEROSPACE LTD	
DATE	12.04.17	THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSONS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

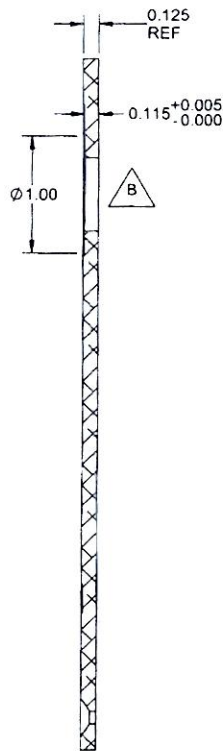


SECTION E-E B5

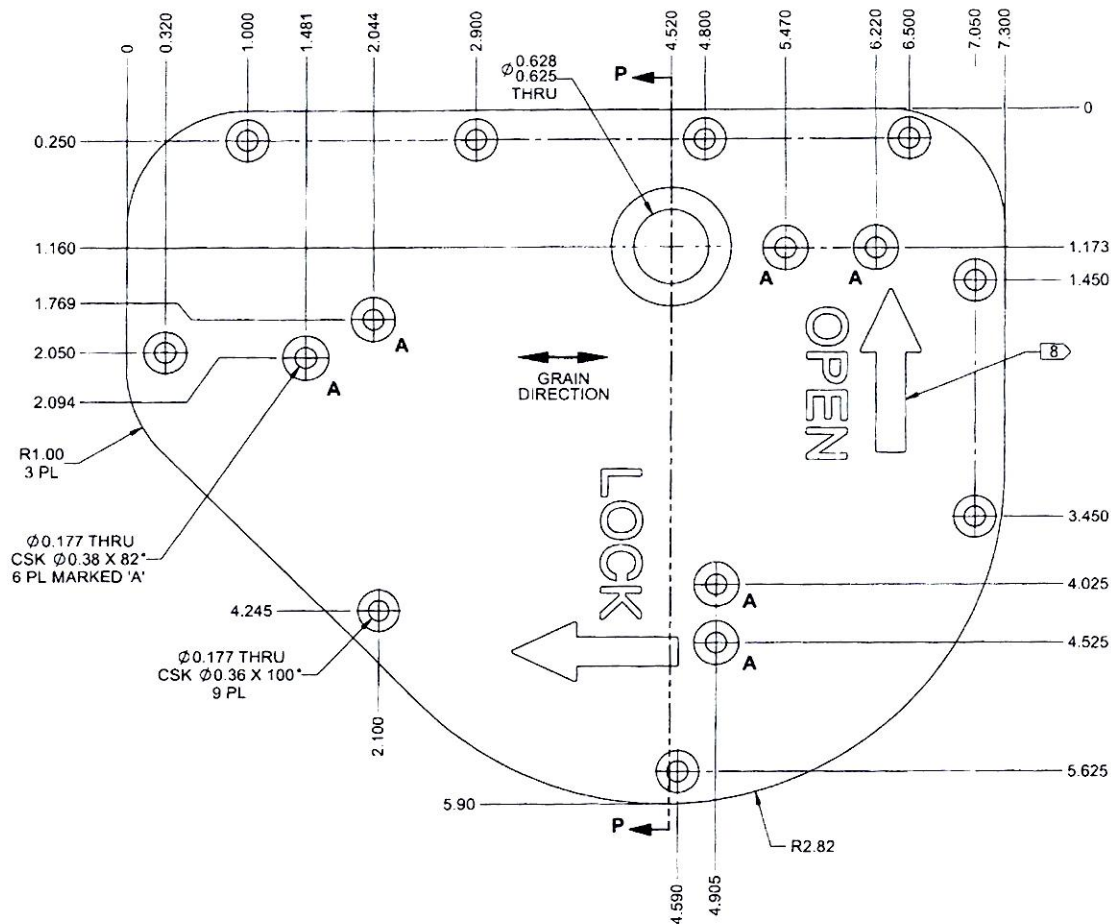


RELEASED
2012-06-13

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	RP	DRAWING NO. D4522	REV. B
MFG. APPR.			SHEET 6 OF 23
APPROVED		TITLE	SCALE
DE APPR		DOOR LATCH ASSY (412)	NTS
DATE	12.04.17	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATION TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



SECTION P-P



NOTES:

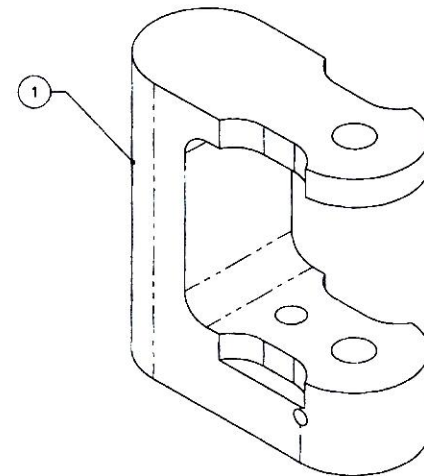
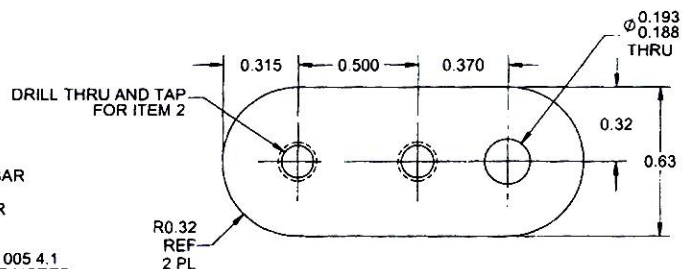
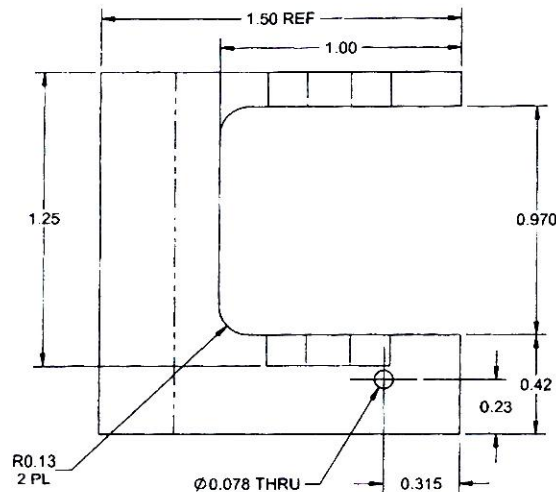
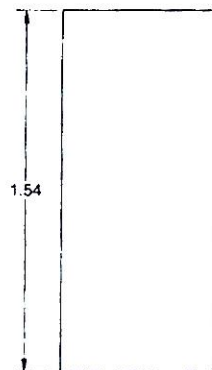
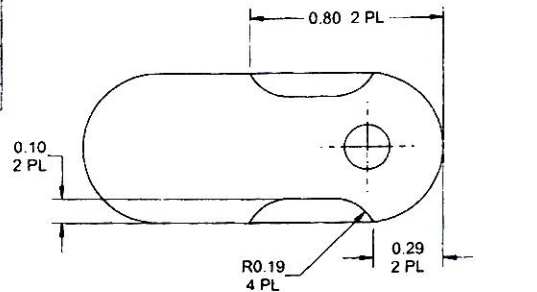
- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET PER QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209
REF M6061T6S.125
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT ANSI 61 (4.3.5.15) GREY PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.4 lbs
- 8) ENGRAVE TEXT AND ARROWS .010" DP IN APPROXIMATE
LOCATION SHOWN. TEXT TO BE APPROX. 0.32 HIGH

D4522-1 BASE PLATE, OEM (LH)

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	RP	DRAWING NO.	REV. B
MFG. APPR.	[signature]	D4522	SHEET 7 OF 23
APPROVED	[signature]	TITLE	SCALE
DE APPR.	[signature]	DOOR LATCH ASSY (412)	NTS
DATE	12.04.17	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPRIETARY AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

RELEASED
2012-06-13

ITEM	QTY	P/N	DESCRIPTION
	X	D4522-045	BASE, HORIZONTAL SWING ARM
1	1	D4522-3	BASE, HORIZONTAL SWING ARM
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



NOTES:

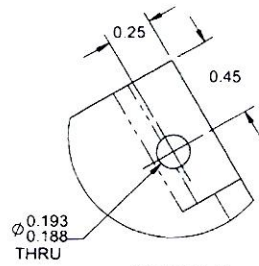
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PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR
AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
- FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- UNITS: INCHES UNLESS OTHERWISE NOTED
- BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- WEIGHT: 0.07 lbs

D4522-045 BASE, HORIZONTAL SWING ARM

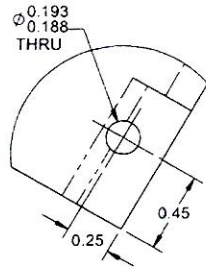
RELEASED
2012-06-13

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4522	SHEET 9 OF 23
APPROVED		TITLE	SCALE
DE APPR. -		DOOR LATCH ASSY (412)	NTS
DATE	12.04.17	COPYRIGHT © 2012 BY DART AEROSPACE LTD	
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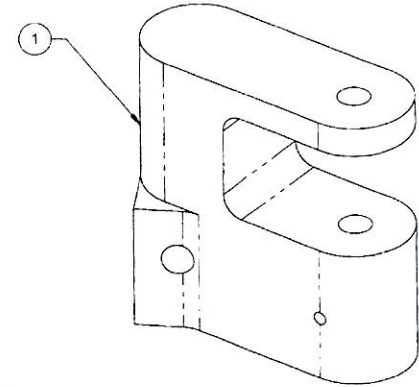
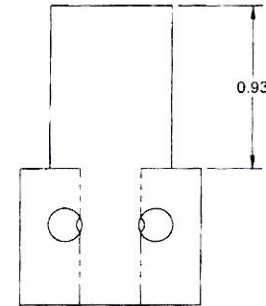
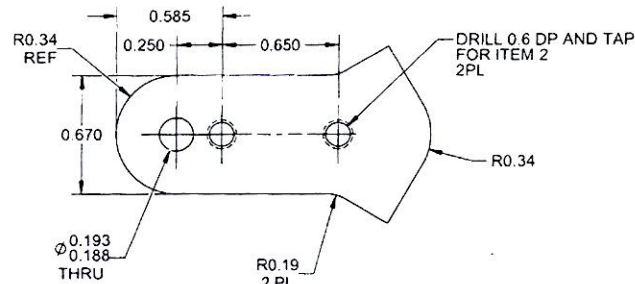
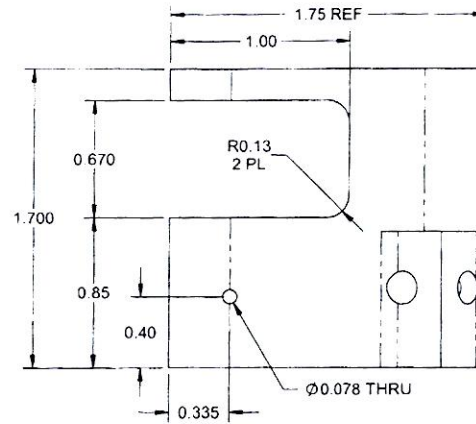
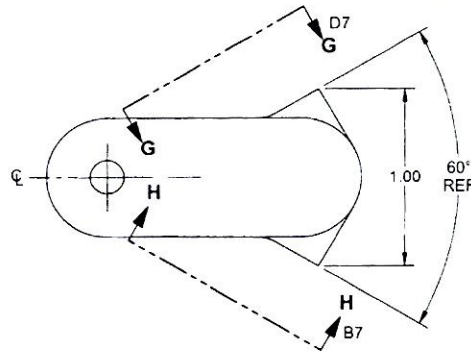
ITEM	QTY	P/N	DESCRIPTION
	X	D4522-047	BASE, VERTICAL SWING ARM
1	1	D4522-5	BASE, VERTICAL SWING ARM
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



VIEW G-G D4



VIEW H-H C4



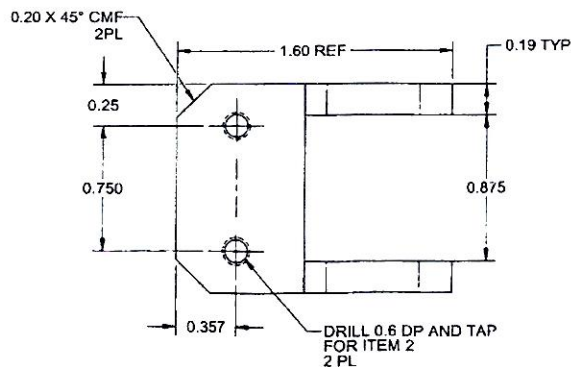
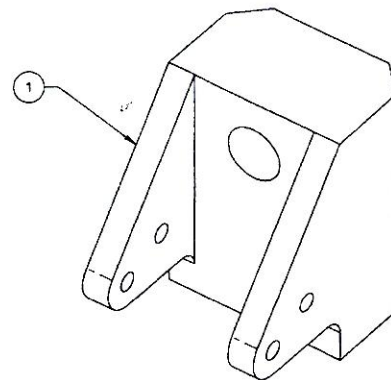
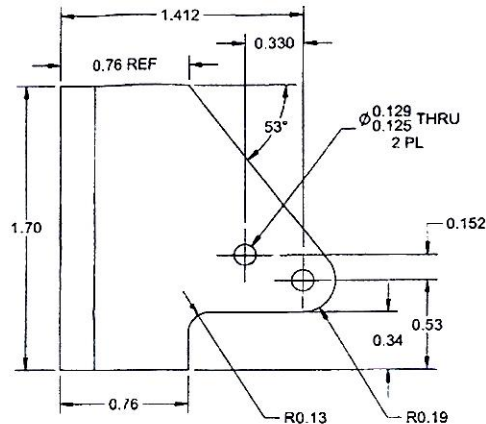
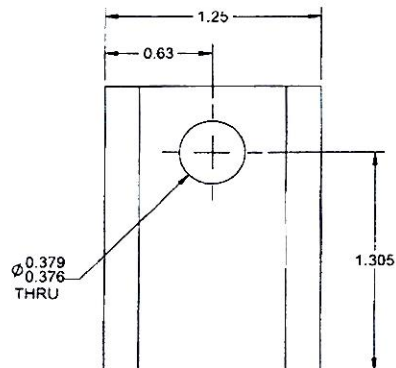
- NOTES:**
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR
AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
 - 7) WEIGHT: 0.14 lbs

D4522-047 BASE, VERTICAL SWING ARM

RELEASED
2012-06-13

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RP	DRAWING NO D4522	REV. B
MFG. APPR.		TITLE	SHEET 10 OF 23
APPROVED		DOOR LATCH ASSY (412)	SCALE
DE APPR.			NTS
DATE	12.04.17	COPYRIGHT © 2012 BY DART AEROSPACE LTD	

ITEM	QTY	P/N	DESCRIPTION
	X	D4522-049	BASE, LATCH SHAFT
1	1	D4522-7	BASE, LATCH SHAFT
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



NOTES:

1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR
AMS4117/4128/4115/4116 OR QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B

2) FINISH: N/A

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

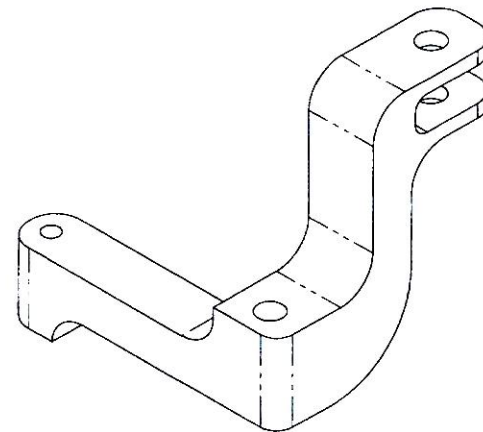
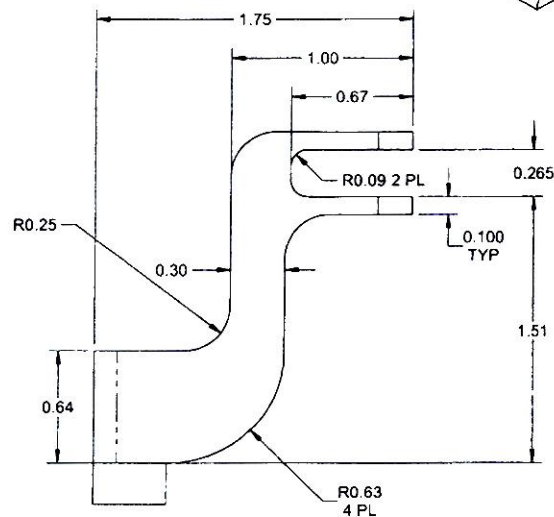
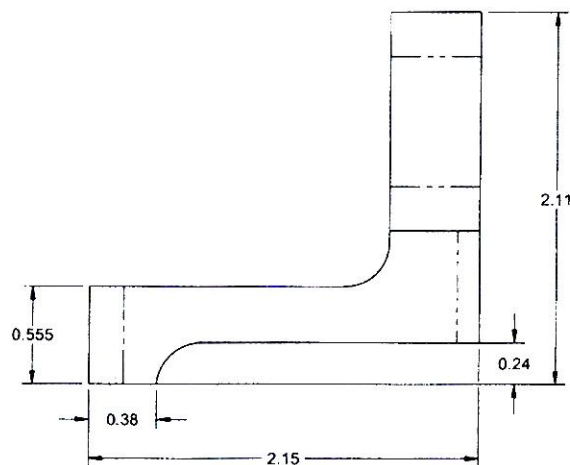
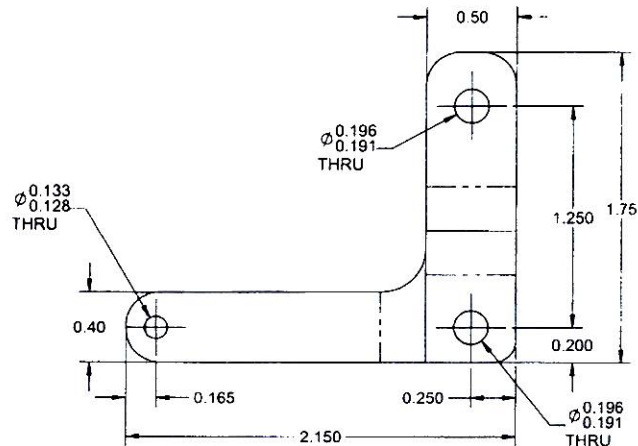
6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7

7) WEIGHT: 0.16 lbs

D4522-049 BASE, LATCH SHAFT

RELEASED
2012-06-13
17

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	A.P.	DRAWING NO. D4522	REV. B
MFG. APPR.			SHEET 11 OF 23
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.04.17	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE SUPPLIER'S CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON OR ENTITY WITHOUT PERMISSION FROM DART AEROSPACE LTD	



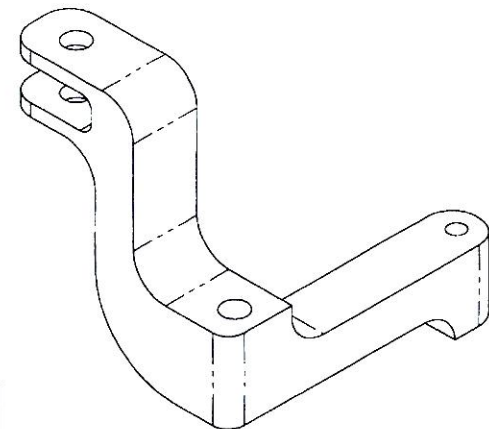
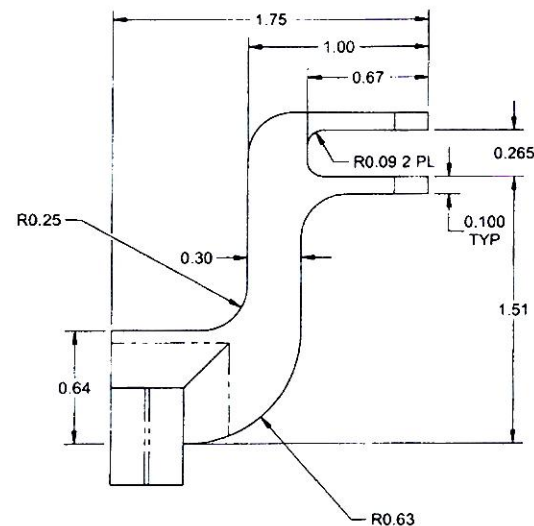
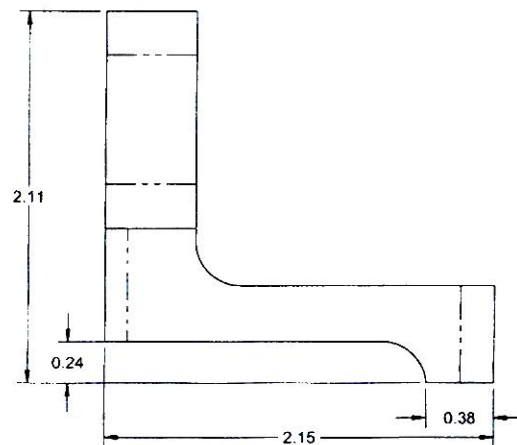
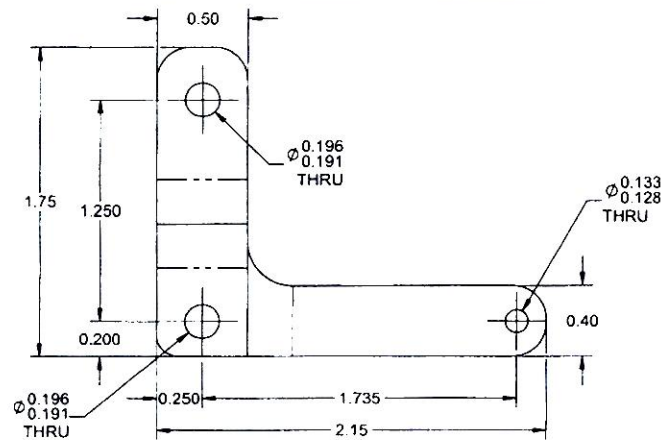
NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.19 lbs
- 8) PROFILE PER DWG FILE "D4522-9-RevB.STP"

D4522-9 VERTICAL SWING ARM

RELEASED
2012-06-13

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO. D4522	REV. B
MFG. APPR.		TITLE DOOR LATCH ASSY (412)	SHEET 12 OF 23
APPROVED		SCALE	NTS
DE APPR.		COPYRIGHT © 2012 BY DART AEROSPACE LTD	
DATE	12.04.17	THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR QUANTIFIED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



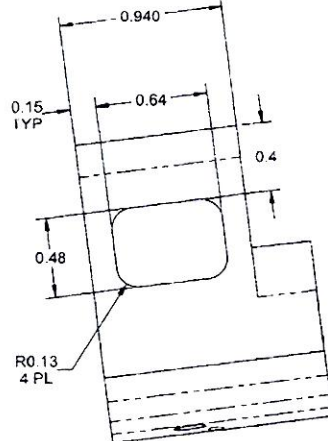
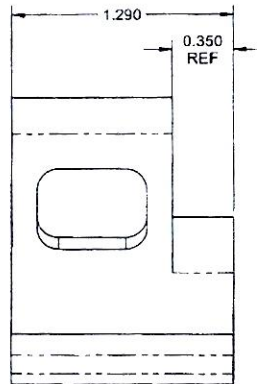
NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.19 lbs
- 8) PROFILE PER DWG FILE "D4522-10-RevB.STP"

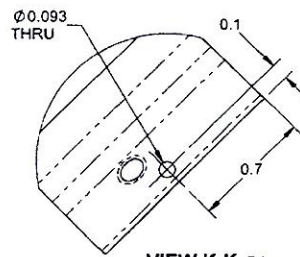
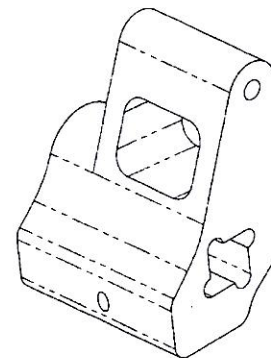
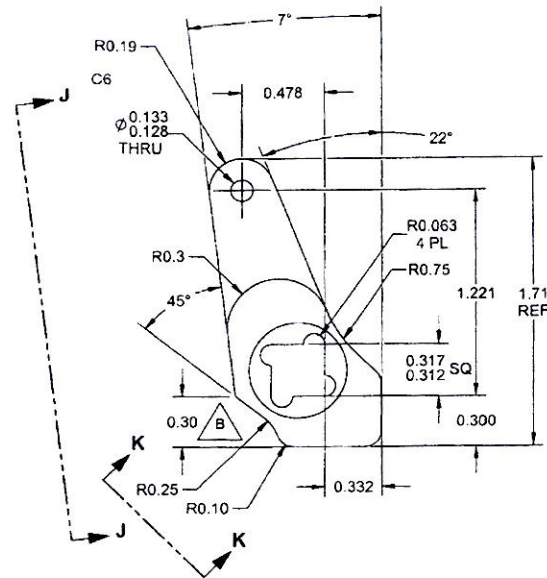
D4522-10 VERTICAL SWING ARM

RELEASED
2012-06-13

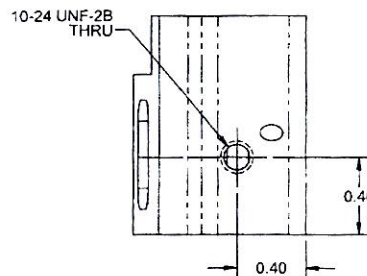
DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	RP	DRAWING NO D4522	REV. B
MFG. APPR.			SHEET 13 OF 23
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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VIEW J-J C4



VIEW K-K C4



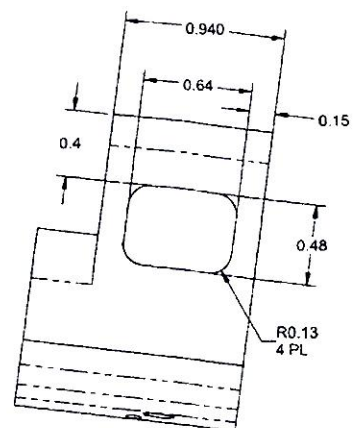
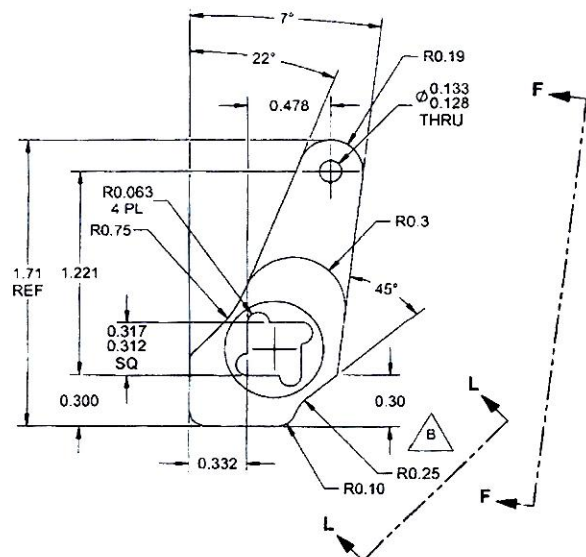
NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.14 lbs
- 8) PROFILE PER DWG FILE "D4522-11-RevB.STP"

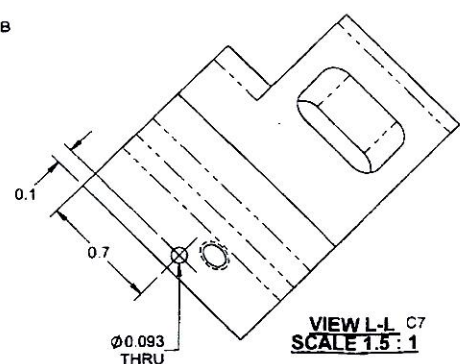
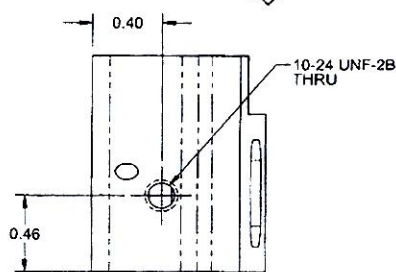
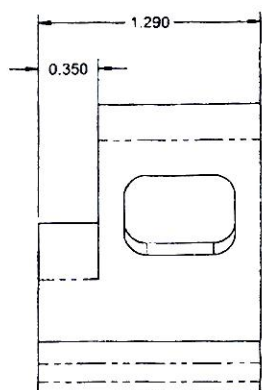
D4522-11 HANDLE SHAFT ARM

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2012-06-13
MP

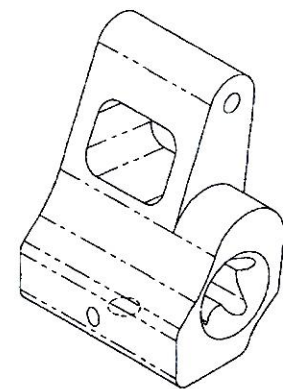
DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RP	DRAWING NO.	REV. B
MFG. APPR.	RP	D4522	SHEET 14 OF 23
APPROVED	RP	TITLE	SCALE
DE APPR.	RP	DOOR LATCH ASSY (412)	NTS
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VIEW F-F C7



VIEW L-L C7
SCALE 1.5:1



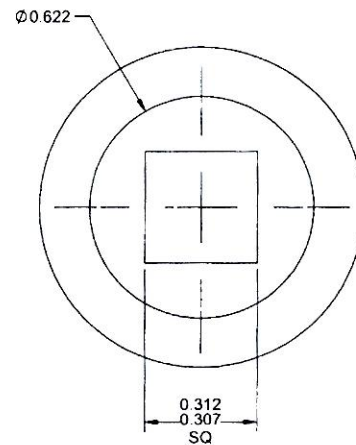
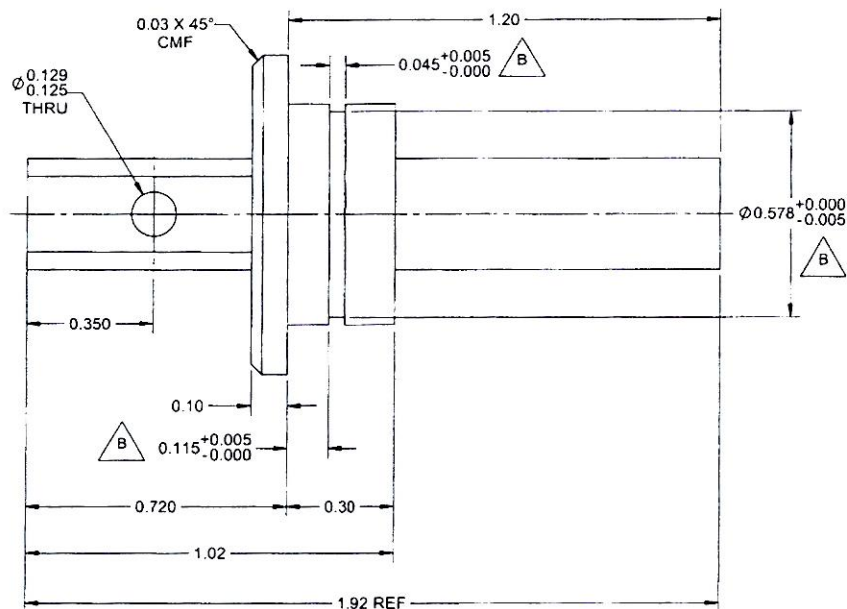
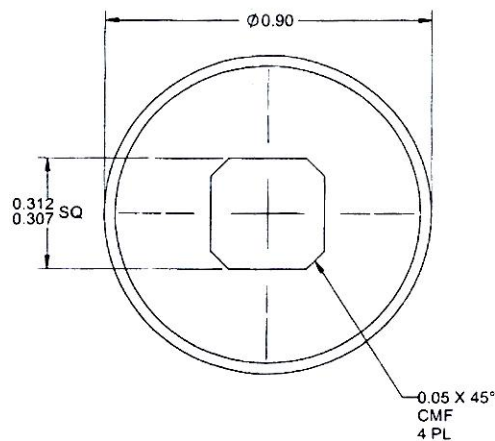
RELEASED
2012-06-13

NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.14 lbs
- 8) PROFILE PER DWG FILE "D4522-12-RevB.STP"

D4522-12 HANDLE SHAFT ARM

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	A.P.	DRAWING NO	REV. B
MFG. APPR.		D4522	SHEET 15 OF 23
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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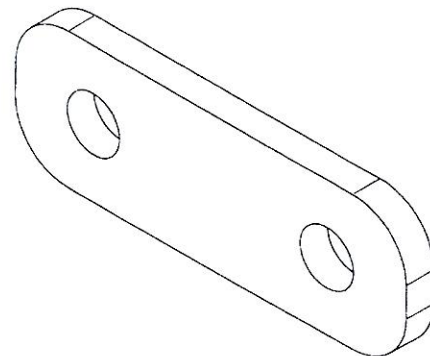
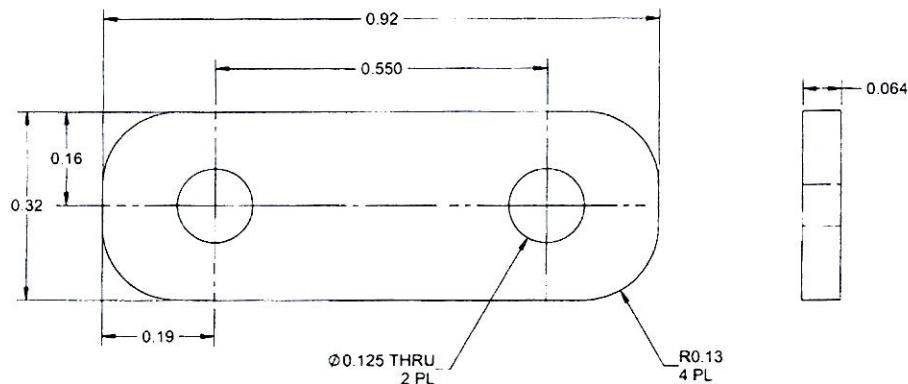
D4522-13 HANDLE SHAFT ADAPTER

NOTES:

- 1) MATERIAL: AISI 303 SS ROUND BAR PER ASTM A582
REF DART SPEC M303R1.00 OR
AISI 304/316 SS ROUND BAR PER ASTM A276
REF DART SPEC M304R1.00
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6
- 7) WEIGHT: 0.08 lbs

RELEASE
2012-06-13

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	41	DRAWING NO.	REV. B
MFG. APPR.		D4522	SHEET 16 OF 23
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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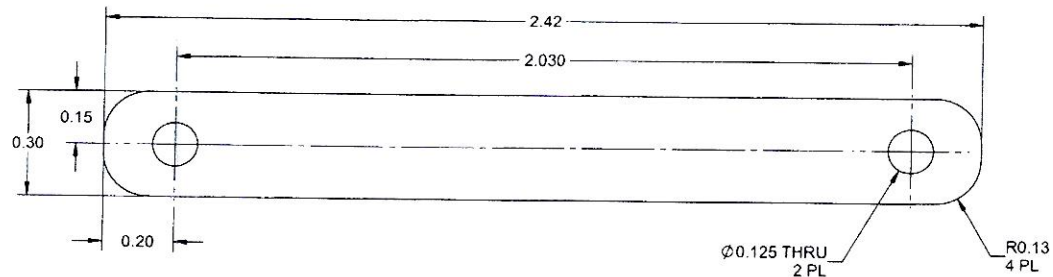
D4522-17 LINKAGE

RELEASED
2012-06-13

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH
REF DART SPEC M304S16GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: .001 lbs

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RP	DRAWING NO.	REV. B
MFG. APPR.		D4522	SHEET 17 OF 23
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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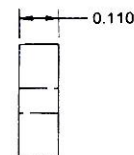
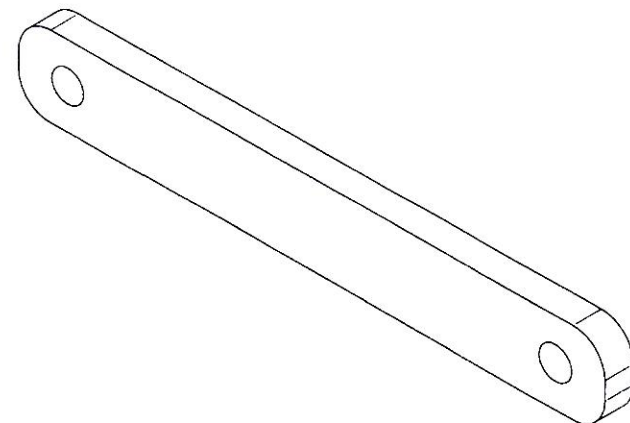
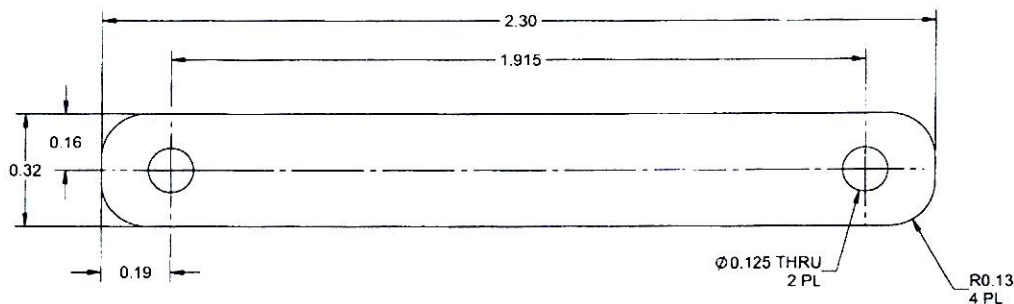
D4522-19 LINKAGE

RELEASED
2012-06-13

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH
REF DART SPEC M304S16GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI.044 6.6 OR 6.7
- 7) WEIGHT: 0.01 lbs

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	<i>[Signature]</i>	DRAWING NO. D4522	REV. B
MFG. APPR.	<i>[Signature]</i>	TITLE DOOR LATCH ASSY (412)	SHEET 18 OF 23
APPROVED	<i>[Signature]</i>	SCALE	NTS
DE APPR.	<i>[Signature]</i>	COPYRIGHT © 2012 BY DART AEROSPACE LTD	
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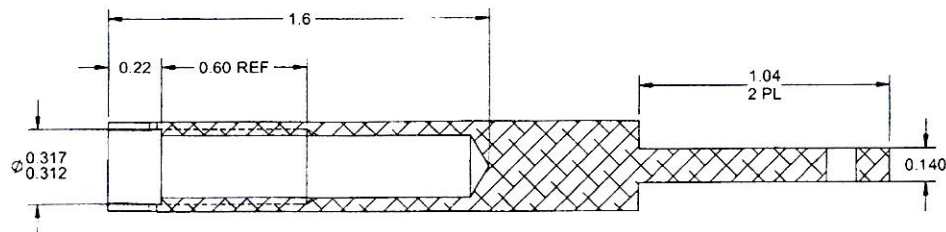
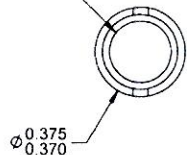
D4522-21 LINKAGE

NOTES:

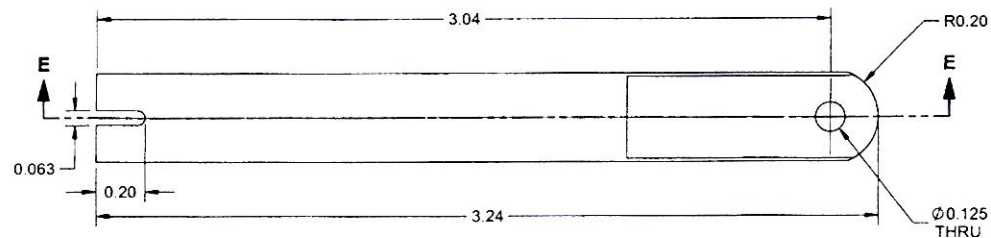
- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH
REF DART SPEC M304S12GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044.6.6 OR 6.7
- 7) WEIGHT: 0.02 lbs

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	DRAWING NO. D4522	REV. B SHEET 19 OF 23
DRAWN	RP			
CHECKED	<i>[Signature]</i>			
MFG. APPR.	<i>[Signature]</i>			
APPROVED	<i>[Signature]</i>			
DE APPR.	<i>[Signature]</i>			
DATE	12.04.17	TITLE DOOR LATCH ASSY (412) SCALE NTS		
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5/16-18 UNC-2B
0.60 DP



SECTION E-E



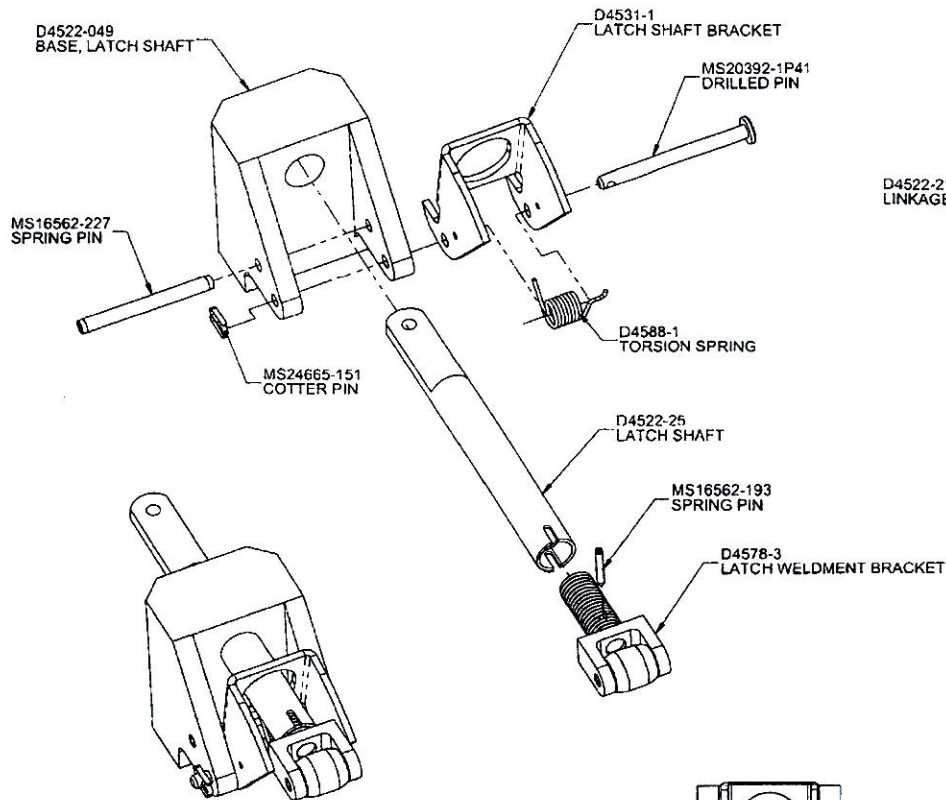
D4522-25 LATCH SHAFT

NOTES:

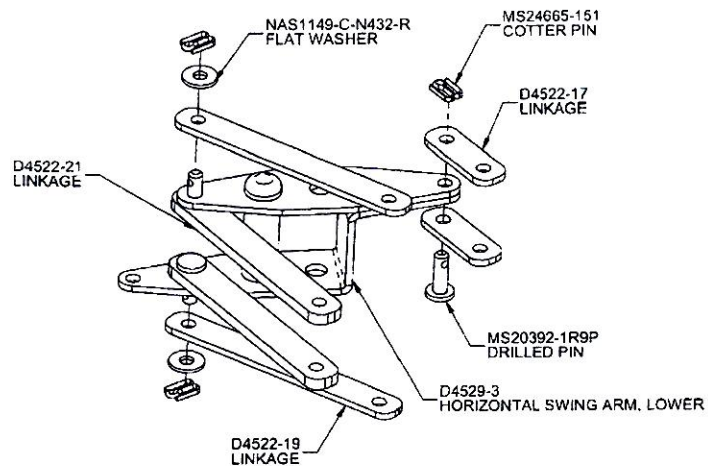
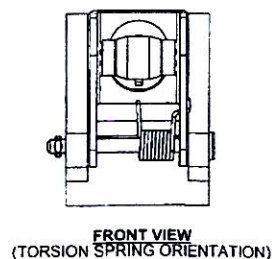
- 1) MATERIAL: AISI 303 SS ROUND BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS ROUND BAR PER ASTM A276
REF DART SPEC M304R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART-QSI-044-6.6 OR 6-7
- 7) WEIGHT: N/A

RELEASED
2012-06-13
WJP

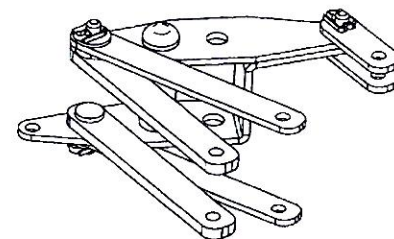
DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	<i>WJP</i>	DRAWING NO. D4522	REV. B
MFG. APPR.	<i>WJP</i>		SHEET 20 OF 23
APPROVED	<i>WJP</i>	TITLE DOOR LATCH ASSY (412)	SCALE NTS
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DATE	12.04.17		



RECOMMENDED ASSEMBLY DETAIL #1
(LATCH SUB-ASSEMBLY)



RECOMMENDED ASSEMBLY DETAIL #2
(LINKAGE SUB-ASSEMBLY)



RELEASED
2012-06-13

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AP	DRAWING NO.	REV. B
MFG. APPR.	AP	D4522	SHEET 21 OF 23
APPROVED	AP	TITLE	SCALE
DE APPR.	AP	DOOR LATCH ASSY (412)	NTS
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D4522-047
BASE, VERTICAL SWING ARM

MS20392-2R41P
DRILLED PIN

MS24665-155
COTTER PIN

D4522-1
BASE PLATE, OEM (LH)

MS16624-4062
EXTERNAL RETAINING RING

MS24671-14
SCREW, FL-HD, HEX, #8

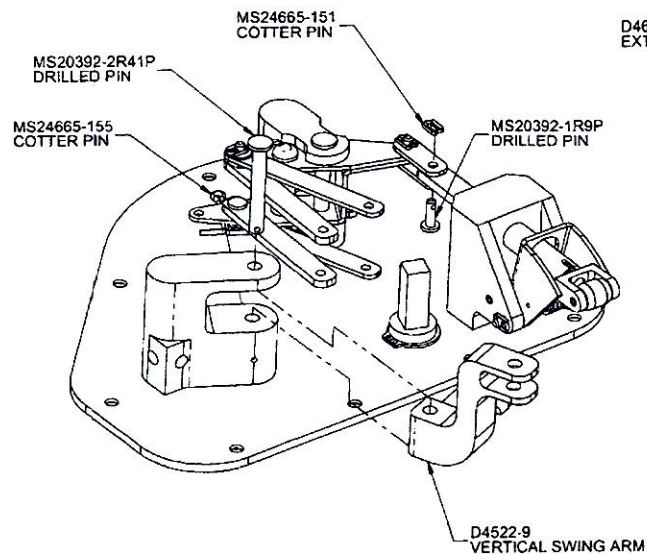
D4522-13
HANDLE SHAFT ADAPTER

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2012-06-13

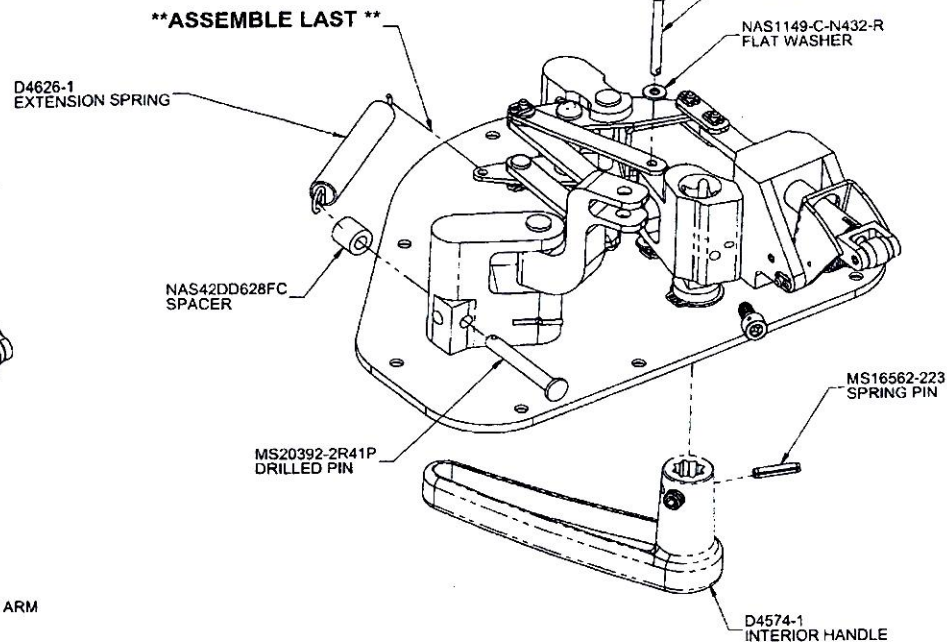
(D4522-041 SHOWN)

RECOMMENDED ASSEMBLY DETAIL #3
(MAIN COMPONENTS TO BASE PLATE)

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	RP	DRAWING NO. D4522	REV. B
MFG. APPR.			SHEET 22 OF 23
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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RECOMMENDED ASSEMBLY DETAIL #4
(VERTICAL SWING ARM, TENSION SPRING, LATCH LINKAGE)



RECOMMENDED ASSEMBLY DETAIL #5
(HORIZ SWING ARM & HANDLE)

RELEASED
2012-06-13
(D4522-041 SHOWN)

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	A.P.	DRAWING NO. D4522	REV. B
MFG. APPR.		TITLE	SCALE
APPROVED		DOOR LATCH ASSY (412)	NTS
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